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of depressed class pupils, the Co-operative budget provides also for placing the service of a Departmental Inspector, free of cost, at the disposal of the Travancore Co-operative Insurance Society Limited, to help the Society with advice in technical and other matters.

23. *Medical.*—To meet the large demand for trained midwives, especially in connection with the promulgation of the scheme for child and maternity welfare, it is proposed to revive the old midwifery class that used to be held at the Victoria Hospital, Quilon. The training of 8 pupils has been provided for in the next year's budget. As the accommodation now available for in-patients in the Ayurveda Hospital at Trivandrum has been found to be insufficient to meet the actual requirements, provision has been made for a suitable increase in the number of beds. Proposals for the reorganisation of the Public Health Department were urged by the Director with a view to facilitate efficient registration of vital statistics, which plays an important role in the Public Health activities, and to obviate the frequent need for special temporary staffs for combating epidemics. But in view of the heavy cost involved in such a complete reorganisation of the department simultaneously throughout the State, it is proposed to work out the scheme in smaller instalments by beginning with the localities most subject to epidemics. A lump sum provision of Rs 10,000 has been made for the purpose. Provision has also been made for the improvement of rural sanitation by opening new conservancy stations.

24. *Scientific and Miscellaneous Departments.*—Provision has been made in the budget of the Archaeological Department for the preliminary expenses in connection with the 9th session of the All-India Oriental Conference which has been invited to hold its session at Trivandrum in December 1937.

25. *Public Works.*—The allotment for ordinary Public Works expenditure in the next year including establishment charges and tools and plant is Rs 32·09 lakhs as against the current year's budget grant of Rs 33·36 lakhs, excluding the provision for Town Planning Schemes and the Council Chamber. When the estimated expenditure on Capital Works, both productive and non-productive and the expenditure met out of the Irrigation and Road Development funds are taken into account, the grant for the next year for works of public utility would amount to about Rs 114 lakhs on the whole which is the highest on record. Full details of the works in progress and new works are given in the Appendix to the budget estimates.

26. *Devaswom Fund.*—Provision has been made for the minimum contribution of Rs 16 lakhs payable to the Devaswom Fund in accordance with the announcement made in this House last year.

CAPITAL EXPENDITURE.

27. An aggregate sum of Rs 96·38 lakhs which represents a peak provision made hitherto in a single year, has been provided in the

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budget estimates of the next year for expenditure on Capital schemes under the following heads :—

		Rs.	
Non-productive works	..	43·24	lakhs
Productive schemes shown under Debt heads	...	34·78	,,
Loans to the Cochin Harbour authorities towards the 4th stage of works and the cost of Dredger, shown under Advances	...	18·36	,,
Total	...	96·38	,,

I may here offer some remarks in regard to the general policy of Government in incurring such capital expenditure. Honourable members are aware that, during the last few years Government have embarked upon big commercial, industrial and electrical enterprises, with a view to make the utmost use of the material resources of this State. Such schemes are expected not only to constitute a profitable investment in a commercial sense and to strengthen considerably the revenue position of Government, but are extremely valuable on account of the increased amenities and conveniences which they render to the public, and the indirect and secondary beneficial effects accruing therefrom, such as the mitigation of unemployment to some extent and the stimulation of trades accessory and incidental thereto, etc. The non-productive capital projects undertaken by Government, such as Water supply and Drainage, Town Planning, etc. are of immense public utility, and although not directly remunerative, are calculated to supply the people the much needed social amenities and in the long run, to result also in saving of expenditure on sanitation and medical relief, while other schemes such as widening of roads etc., serve also to increase the cleanliness and artistic beauty of the city in consonance with modern standards appropriate to the position and dignity of this State. The present time is most opportune for developing our industrial and commercial resources and for pushing on with the schemes for the promotion of social services and amenities. The rate of interest has now fallen to a point incredibly low as compared with that in previous years, and capital is available in abundance at a very cheap rate. All over the world, economic planning is regarded at present as the main objective of modern state-craft. As, in this mundane world, assets cannot be created by the mere waving of a magic wand, the next best thing is to seize the present opportunity to investigate and complete all possible deserving schemes.

I furnish below brief details of the more important schemes, provided in the next year's estimates.

28. *Water Supply, Trivandrum.*—The first stage of the project estimated to cost Rs 50·98 lakhs according to the sanctioned Deviation Statement has been nearly completed during the year. The second

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stage of the project (Rs 6·38 lakhs) and supplemental works (Rs. 1·20 lakhs) have been begun and good progress has been made. Out of the first instalment of 28 miles, more than 24 miles have been laid. The pipes for the balance of 13 miles have arrived. For the first stage a sum of Rs ·56 of a lakh has been provided in the next year's budget to pay off all liabilities and to carry out the sanctioned annual scheme of extension of mains. To complete the second stage of the work in 1112, a sum of Rs 3·05 lakhs has been provided. A sum of Rs ·70 of a lakh has been provided for the supplemental works such as the reconstruction and extension of the Water Works Office buildings and protective works to the Aruvikarai reservoir to prevent contamination of water, etc. The aggregate provision for works under this head in the next year's budget amounts to Rs 41·31 lakhs. It is hoped to complete the whole work within the year 1112.

The Municipal Council, Trivandrum is required to pay an annual contribution of one lakh of rupees towards the working expenses of the Water Supply. The demands have not yet been fully paid by the Municipality. With the additional area, after the completion of the second stage, coming into service, the properties in this area will become liable to water tax and so, on the revenue side, an increase of Rs. 15,000 has been provided in the Budget estimates for 1112, to the annual contribution of one lakh of rupees due to Government from the Municipality.

29. *Water Supply to Mofussil Towns.*—In para 25 of the last year's budget speech, mention was made about the proposal then under consideration, to take up the investigation of water supply simultaneously in the towns of Shencottah, Nagercoil and Alleppey. The investigation was pushed on vigorously during 1111. The field work has been finished and the preparation of designs has been taken up.

In Alleppey, in regard to the source for the water supply which was the most difficult point, we have been particularly lucky. It has been possible to obtain a copious supply of water of good potable quality by investigating at a cheap cost the possibilities of obtaining water from deep bore wells. A trial boring 350 feet deep from the ground level and 10½ inches in diameter made at the end of April 1936 proved very successful and the supply is expected to be quite sufficient. As a stand by, a second well is also being bored. The water yielded by the well has been found on chemical and bacteriological analysis to be quite satisfactory. It is proposed to pump the water direct into overhead tanks to be constructed in the town and lay the Town Distribution Pipes from the latter and supply the water. The site of the bore wells is about 3½ miles south of the Iron Bridge at Alleppey.

In Shencottah, the site in Melavoor in the western outskirts of the town has been selected.

At Nagercoil as a result of investigations, it is proposed to form a reservoir at Mukkadal about 8 miles to the north of Nagercoil and convey the raw water by gravitation through a pressure pipe conduit and to locate the purification works in the Silpasari tank on a suitable site.

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All the three Municipalities insist on the scopes of the schemes being so enlarged as to allow of house connections being made and agree to shoulder the increased capital expenditure and working expenses involved. The Municipalities have agreed to bear half the capital cost and the entire cost of working expenses afterwards. A specimen form of agreement to be executed by the three Municipalities has been approved by Government. After the execution of the agreement, it is proposed to start the construction of works.

The following provision has been made in the budget estimates for 1112 for the purpose for works and establishment :—

	Works.	*Establishment.*	*Total Rupees in lakhs.*
Alleppey ...	5·00	·35	5·35
Nagercoil ...	5·00	·35	5·35
Shencottah ...	1·50	·16	1·66

30. *Drainage.*—In para 26 of last year's budget speech, reference was made to the investigation of the Drainage Scheme at Trivandrum. The estimate for the scheme amounting to Rs 45·96 lakhs has since been completed and is at present under the consideration of the Government. Contracts for the supply of cast iron and stoneware sewer pipes and the necessary adjuncts for immediate requirements were arranged and the bigger sized Cast Iron sewer pipes have all arrived. The smaller sized ones have also begun to arrive and the complete supply is expected to be finished shortly. Proposals for speeding up the acquisition of land required for the first year's programme of work are under consideration. In the meantime, contract has been settled for trenching and laying the sewers along existing roads and the work of Sewer construction will be put in hand shortly. An expenditure of only Rs 3·27 lakhs (including adjustment) is expected to be incurred in the current year against the budget grant of Rs 5·3 lakhs. The construction of the project is expected to be in full swing in 1112.

A sum of Rs 7·43 lakhs has been provided in the next year's budget for works and establishment.

In para 26 of last year's budget speech, it was stated that a separate Department called the Water Works and Drainage Department would be constituted, the Head of the Department being designated Water Works and Drainage Engineer to Government. On account of the addition of 4 more large projects involving a very large capital outlay to this new Department it has become necessary to strengthen and reorganise the department. The administrative and technical direction will be with the Water Works and Drainage Engineer. For the execution of the projects, three Divisions are likely to be formed, each being in the charge of an Executive Engineer with the necessary additional sub-divisions and sections.

The necessary provision has accordingly been included in the budget estimates for the next year. Additional staff has also been provided under Working Expenses for strengthening the existing staff of

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the water works establishment on account of the anticipated completion of the second stage of the water works.

31. *Town Planning Scheme*.—The schemes prepared by Mr. Krumbiegel, Architect and Town Planner for the improvements of the town have been approved generally by Government. The Avenue road from Kaudiar to Vellayambalam, main road from East Fort Gate to Cantonment Junction, the Arattu road etc., have already been brought under the Town Planning Regulation IV of 1108, and the Municipality has been asked to prepare and submit draft Town Planning schemes in respect of these areas for the approval of Government.

The improvement of the Thampanoor area will be taken up as a separate scheme and the matter is under the consideration of Government.

In the current year's budget, as will be seen from para 27 of the last year's budget speech, provision for the expenditure under the Town Planning schemes was included partly under Advances and partly under expenditure charged to revenue. It has now been decided to treat the whole scheme as a single capital project classified under "Capital not charged to revenue." A comprehensive estimate and a programme for the entire scheme is proposed to be drawn up and the financial results of the scheme showing the probable receipts expected from the scheme on account of the sales of house sites etc., and the net cost to Government will also be shown therein.

A lump sum of Rs 10 lakhs has been provided under capital for these schemes in the budget for the next year.

32. *The Council Chamber*. The question of constructing a suitable building for holding the meetings of the Legislature was under consideration for some time past. It was finally decided that the Council Chamber might be constructed in the premises of the Public Office building as an extension to the existing building. The site was also approved by Mr. Krumbiegel, Architect and Town Planner. The foundation stone of the new Council Chamber was laid by His Excellency the Viceroy in December 1933. The designs of the building were prepared by Mr. Krumbiegel and detailed working drawings and estimates were prepared by the Chief Engineer. The estimate prepared by him for the construction of the north wing is under the consideration of Government. Meanwhile, tenders were invited for the construction of the building. The tenders received are also under consideration now. In 1111 M. E., a provision of Rs 2 lakhs was made in the budget for the construction of the Council Chamber. As the estimate was prepared too late and the question of the method of executing the work was not decided, it was not possible to take up the work this year. The construction of the north wing will be taken up next year.

A sum of Rs 2 lakhs has been provided in the budget estimates for 1112 for the purpose under capital not charged to revenue.

33. *Railways*.—A provision of Rs ·42 of a lakh and Rs ·48 of a lakh respectively has been made in the budget estimates for the next

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year for the capital outlay relating to the Quilon-Trivandrum Railway and Chakai-Thampanoor extension of the Railway. The total expenditure on these two railways will amount to Rs 55·50 lakhs and Rs 28·67 lakhs respectively at the close of 1112 aggregating on the whole to Rs 84·17 lakhs. Government have also guaranteed to recoup the loss, if any, on account of the working of the Quilon-Shencottah Railway. In the result, the loss to be recouped for the years 1111 and 1112 is expected to amount to Rs ·85 and Rs ·50 of a lakh respectively.

COMMERCIAL UNDERTAKINGS.

34. *The Pallivasal Hydro-Electric Project.*—Great progress has been made in the execution of the various works connected with the project, during the current year.

The excavation for the Water Tunnel was completed in February last and portions of the tunnel where the ground has been found to be unsatisfactory are being lined with concrete. The design of the headworks has been finally settled as a result of the visits of Major Howard and Signor Marcello whose services were requisitioned by Government in a consulting capacity to examine the details of the works relating to the Scheme. The construction of the headworks is proposed to be taken up just after the monsoon. The erection of pipes etc., will be completed early in 1112.

The power house building has been nearly completed in all respects. The Ascu Timber Treatment Plant ordered by the Forest Department has been installed and is now in operation.

All the works in connection with the Project are expected to be completed by the middle of the year 1112, when the Revenue accounts will be started. Proposal is also under consideration for the extension of the supply to Quilon and other places. When the scheme reaches a normal period of operation, it is expected to bring in a substantial return.

A provision of Rs 28·37 lakhs has been made in the budget for 1112.

35. *Trivandrum Electric Supply.*—The total expenditure that will be incurred on the Trivandrum Electric Supply to the end of the current year is expected to stand at Rs 8·63 lakhs. A provision of Rs·50 of a lakh has been made for capital expenditure in 1112. The gross receipts of the current year are expected to stand at Rs 2·18 lakhs and deducting the working expenses of Rs ·97 of a lakh, there will be a balance of Rs 1·21 lakhs out of which interest charges will account for Rs 43,640 and Depreciation Rs 47,000. The balance will be transferred to the Reserve Fund. The gross receipts of the next year are expected to amount to Rs 2·35 lakhs. The working expenses will amount to Rs 1·04 lakhs leaving a net result of Rs 1·31 lakhs out of which Rs ·47 of a lakh will be appropriated for interest charges and Rs ·36 and Rs ·48 lakhs for reserve fund and depreciation fund respectively.

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